

METHOD, SYSTEM, AND PROGRAM FOR  
DECODING A SECTION FROM COMPRESSED DATA

ABSTRACT

Provided is a method, system, program, and data structure for decompressing a  
5 compressed data stream whose decoded output comprises lines of two-dimensional data or  
other data whose decoding depends upon previously decoded data and where the desired  
output is only part of sequentially decoded output. Received are a compressed data set, at  
least one pointer to a location in the compressed data stream whose decoded output  
comprises a location on a line of data, and decoding information for each received pointer  
10 that enables decoding from a point within the compressed data stream addressed by the  
pointer. For each received pointer, the following steps are performed: (i) accessing the  
location in the compressed data stream addressed by the pointer in the reentry data set;  
and (ii) using the decoding information in the reentry data set to decode compressed data  
from the accessed location.

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